

Project Title	Funding	Strategic Plan Objective	Institution
The development of selective attention in infancy as measured by eye movements	\$53,376	Q1.Other	York University
ACE Center: Gaze perception abnormalities in infants with ASD	\$293,130	Q1.L.A	Yale University
ACE Center: Assessment Core	\$541,624	Q1.L.A	Yale University
Brain-behavior growth charts of altered social engagement in ASD infants	\$208,333	Q1.L.A	Yale University
Biomarkers for autism and for gastrointestinal and sleep problems in autism	\$0	Q1.L.A	Yale University
Physical and clinical infrastructure for research on infants-at-risk for autism at Yale	\$219,581	Q1.L.A	Yale University
Development of face processing in infants with autism spectrum disorders	\$409,613	Q1.L.B	Yale University
Extraction of functional subnetworks in autism using multimodal MRI	\$353,349	Q1.L.B	Yale University
CDI-Type I: Understanding regulation of visual attention in autism through computational and robotic modeling	\$0	Q1.L.B	Yale University
Social evaluation in infants and toddlers	\$409,613	Q1.L.B	Yale University
Components of limited activity monitoring in toddlers with ASD	\$82,750	Q1.L.B	Yale University
ACE Center: Eye-tracking studies of social engagement	\$293,269	Q1.L.B	Yale University
Developmental social neuroscience in infants at-risk for autism	\$182,092	Q1.L.C	Yale University
ACE Center: Auditory mechanisms of social engagement	\$263,206	Q1.Other	Yale University
Connectivity in social brain systems in autism	\$197,366	Q1.Other	Yale University
Neural correlates of social perception in autism	\$15,000	Q1.L.C	Yale Child Study Center
Test of integrated language and literacy skills validation research	\$492,135	Q1.Other	Western Michigan University
Gene dosage imbalance in neurodevelopmental disorders	\$690,019	Q1.S.E	Weis Center For Research - Geisinger Clinic
Misregulation of BDNF in autism spectrum disorders	\$0	Q1.L.A	Weill Cornell Medical College
Developmental characteristics of MRI diffusion tensor pathway changes in autism	\$188,027	Q1.L.A	Washington University in St. Louis
The intersection of autism and ADHD	\$161,293	Q1.L.B	Washington University in St. Louis
Multimedia tool for psychology graduate student ASD assessment training	\$449,703	Q1.S.A	Virtual Reality Aids, Inc.
Predicting useful speech in children with autism	\$607,697	Q1.L.B	Vanderbilt University
Predicting useful speech in children with autism (supplement)	\$195,164	Q1.L.B	Vanderbilt University
Cultural equivalence of autism assessment for Latino children	\$74,250	Q1.S.B	University of Wisconsin - Madison

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Social-affective bases of word learning in fragile X syndrome and autism	\$544,482	Q1.Other	University of Wisconsin - Madison
ACE Center: Linguistic and social responses to speech in infants at risk for autism	\$301,655	Q1.L.A	University of Washington
ACE Center: Early detection and intervention in infants at risk for autism	\$614,004	Q1.L.B	University of Washington
Social-emotional development of infants at risk for autism spectrum	\$598,969	Q1.L.B	University of Washington
Serum antibody biomarkers for ASD	\$570,780	Q1.L.A	University of Texas Southwestern Medical Center
Family studies of sensorimotor and neurocognitive heterogeneity in autism spectrum disorders (ASD)	\$0	Q1.L.B	University of Texas Southwestern Medical Center
Autism severity and muscle strength: A correlation analysis	\$4,920	Q1.Other	University of Texas Southwestern Medical Center
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$0	Q1.L.B	University of Southern California
Predicting autism through behavioral and biomarkers of attention in infants	\$35,518	Q1.L.A	University of South Carolina
Sensory integration and language processing in autism	\$149,435	Q1.L.C	University of Rochester
Early social and emotional development in toddlers at genetic risk for autism	\$369,348	Q1.L.A	University of Pittsburgh
Early identification of autism: A prospective study	\$481,734	Q1.L.A	University of Pittsburgh
Sensor-based technology in the study of motor skills in infants at risk for ASD	\$242,606	Q1.L.A	University of Pittsburgh
Temporal coordination of social communicative behaviors in infant siblings of children with autism	\$0	Q1.L.A	University of Pittsburgh
Electrophysiological signatures of language impairment in autism spectrum disorder	\$344,521	Q1.L.B	University of Pennsylvania/Children's Hospital of Philadelphia
Sensory based CNS diagnostics for the clinic	\$218,946	Q1.S.B	University of North Carolina at Chapel Hill
ACE Network: A longitudinal MRI study of infants at risk for autism	\$3,246,479	Q1.L.A	University of North Carolina at Chapel Hill
Supplement to NIH ACE Network grant: "A longitudinal MRI study of infants at risk for autism"	\$180,000	Q1.L.A	University of North Carolina at Chapel Hill
Restricted repetitive behavior in autism	\$377,158	Q1.L.B	University of North Carolina at Chapel Hill
Sensory experiences in children with autism	\$492,743	Q1.Other	University of North Carolina at Chapel Hill
Using Parent Report to Identify Infants Who Are at Risk for Autism Spectrum Disorder (ASD)	\$149,962	Q1.S.B	University of North Carolina
Autism dysmorphology measure validity study	\$0	Q1.S.A	University of Missouri
Atypical pupillary light reflex in individuals with autism	\$0	Q1.Other	University of Missouri

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Neural mechanisms underlying obsessive compulsiveness in ASD	\$31,987	Q1.L.B	University of Michigan
The emergence of emotion regulation in children at-risk for autism spectrum disorder	\$8,719	Q1.L.A	University of Miami
INT2-Large: Collaborative research: Developing social robots	\$0	Q1.Other	University of Miami
Identifying neurobiological markers of the broader autism phenotype	\$106,245	Q1.L.B	University of Melbourne
Quantitative analysis of craniofacial dysmorphology in autism	\$69,173	Q1.S.A	University of Massachusetts Medical School
Dissemination of multi-stage screening to underserved culturally-diverse families	\$28,000	Q1.S.C	University of Massachusetts Boston
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$0	Q1.L.B	University of Illinois at Urbana Champaign
University of Georgia – Carolina Autism Resource and Evaluation Center (UGA-CARES): A collaborative autism screening project utilizing web-based technology	\$0	Q1.S.B	University of Georgia
Abnormal vestibulo-ocular reflexes in autism: A potential endophenotype	\$0	Q1.L.A	University of Florida
Early detection of pervasive developmental disorders	\$1,025,577	Q1.S.A	University of Connecticut
Visual attention and fine motor coordination in infants at risk for autism	\$73,315	Q1.L.A	University of Connecticut
Language development and outcome in children with autism (supplement)	\$88,096	Q1.L.C	University of Connecticut
Language development and outcome in children with autism	\$311,574	Q1.L.C	University of Connecticut
Magnetic source imaging and sensory behavioral characterization in autism	\$176,229	Q1.L.B	University of California, San Francisco
Studying the biology and behavior of autism at 1-year: The Well-Baby Check-Up approach	\$272,245	Q1.L.A	University of California, San Diego
ACE Center: MRI studies of early brain development in autism	\$349,341	Q1.L.A	University of California, San Diego
Development of neural pathways in infants at risk for autism spectrum disorders	\$312,028	Q1.L.A	University of California, San Diego
ACE Center: Integrated Biostatistical and Bioinformatic Analysis Core (IBBAC)	\$205,018	Q1.L.A	University of California, San Diego
Are autism spectrum disorders associated with leaky-gut at an early critical period in development?	\$302,820	Q1.L.A	University of California, San Diego
ACE Center: Clinical Phenotype: Recruitment and Assessment Core	\$310,430	Q1.L.A	University of California, San Diego

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INT2-Large: Collaborative research: Developing social robots	\$0	Q1.Other	University of California, San Diego
ACE Center: The development of the siblings of children with autism: A longitudinal study	\$309,408	Q1.L.B	University of California, Los Angeles
Neuroimaging & symptom domains in autism	\$10,135	Q1.L.B	University of California, Los Angeles
Neural predictors of language acquisition after intensive behavioral intervention	\$181,207	Q1.L.B	University of California, Los Angeles
Epigenetic biomarkers of autism in human placenta	\$576,142	Q1.L.A	University of California, Davis
Infants at risk of autism: A longitudinal study	\$582,633	Q1.L.A	University of California, Davis
Electrophysiological correlates of cognitive control in autism	\$129,098	Q1.L.B	University of California, Davis
Cellular structure of the amygdala in autism	\$51,326	Q1.L.B	University of California, Davis
Analyses of brain structure and connectivity in young children with autism	\$249,000	Q1.L.B	University of California, Davis
Visual processing and later cognitive effects in infants with fragile X syndrome	\$237,070	Q1.Other	University of California, Davis
Leadership Education in Neurodevelopmental Disabilities	\$2,500	Q1.S.B	University of Alabama at Birmingham
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$0	Q1.L.B	Trustees of Boston University
Improving accuracy and accessibility of early autism screening	\$518,904	Q1.S.A	Total Child Health, Inc.
Validation of a screening questionnaire for ASD in older children	\$50,000	Q1.S.A	Southwest Autism Research & Resource Center (SARRC)
Family/genetic study of autism	\$50,000	Q1.L.A	Southwest Autism Research & Resource Center (SARRC)
A novel quantitative framework to study lack of social interactions in autism	\$0	Q1.L.B	Rutgers, The State University of New Jersey - New Brunswick
Placental vascular tree as biomarker of autism/ASD risk	\$0	Q1.L.A	Research Foundation for Mental Hygiene, Inc.
Prosodic and pragmatic processes in highly verbal children with autism	\$112,500	Q1.L.C	President & Fellows of Harvard College
Functional brain networks in autism and attention deficit hyperactivity disorder	\$149,841	Q1.L.B	Oregon Health & Science University
HCC: Medium: Automatic detection of atypical patterns in cross-modal affect	\$0	Q1.L.B	Oregon Health & Science University
Online communication assessment to improve outcomes for individuals with severe disabilities	\$0	Q1.Other	Oregon Health & Science University
Translational developmental neuroscience of autism	\$164,718	Q1.L.B	New York University School of Medicine

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Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	\$10,000	Q1.L.B	New England Center for Children, Inc.
Clinical and behavioral phenotyping of autism and related disorders	\$2,117,811	Q1.L.B	National Institutes of Health
NIH Workshop: Ethical, Legal and Social Implications of Autism Research	\$71,489	Q1.S.F	N/A
Innovative assessment methods for autism: A proof of principle investigation of "nonverbal" autism	\$0	Q1.L.C	McMaster University
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$0	Q1.L.B	Massachusetts Institute of Technology
Identification of lipid biomarkers for autism	\$0	Q1.L.A	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	\$0	Q1.L.B	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	\$0	Q1.L.B	Massachusetts General Hospital
Imitation in autism	\$0	Q1.L.B	King's College London
Assessing the accuracy of rapid phenotyping of nonverbal autistic children	\$124,998	Q1.S.A	Kennedy Krieger Institute
Autism spectrum disorder in Down syndrome: A model of repetitive and stereotypic behavior for idiopathic ASD	\$0	Q1.L.B	Kennedy Krieger Institute
Autism: Social and communication predictors in siblings	\$738,922	Q1.L.B	Kennedy Krieger Institute
Receptive vocabulary knowledge in low-functioning autism as assessed by eye movements, pupillary dilation, and event-related potentials	\$0	Q1.L.C	Johns Hopkins University
Biomarkers and diagnostics for ASD	\$149,600	Q1.S.A	Institute of Biotechnology
Computer Assisted Autism Care (CAAC)	\$491,768	Q1.S.B	Indiana University-Purdue University Indianapolis
Using near-infrared spectroscopy to measure the neural correlates of social and emotional development in infants at risk for autism spectrum disorder	\$15,000	Q1.L.A	Harvard University
Identifying gastrointestinal (GI) conditions in children with autism spectrum disorders (ASD)	\$0	Q1.L.A	Harvard Medical School
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$24,000	Q1.L.B	Georgia Tech Research Corporation
The development of joint attention after infancy	\$291,832	Q1.L.C	Georgia State University
Language learning in autism	\$31,500	Q1.L.C	Georgetown University
Attention to social and nonsocial events in children with autism	\$0	Q1.S.B	Florida International University
Development of intermodal perception of social events: Infancy to childhood	\$306,550	Q1.L.C	Florida International University

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Intersensory perception of social events: Typical and atypical development	\$134,355	Q1.L.C	Florida International University
The ontogeny of social visual engagement in infants at risk for autism	\$479,226	Q1.L.A	Emory University
Growth charts of altered social engagement in infants with autism	\$0	Q1.L.A	Emory University
Physical and clinical infrastructure for research on infants at risk for autism	\$0	Q1.L.A	Emory University
Perception of social and physical contingencies in infants with ASD	\$319,523	Q1.L.B	Emory University
Dynamics of cortical interactions in autism spectrum disorders	\$60,000	Q1.L.A	Cornell University
Social and statistical mechanisms of prelinguistic vocal development	\$0	Q1.Other	Cornell University
CAREER: Enabling community-scale modeling of human behavior and its application to healthcare	\$0	Q1.Other	Cornell University
Characterizing ASD phenotypes by multimedia signal and natural language processing	\$339,498	Q1.L.C	Columbia University
Dissertation research: Translating diagnoses across cultures: Expertise, autism, and therapeutics of the self in Morocco	\$14,510	Q1.Other	Columbia University
Multiplexed suspension arrays to investigate newborn and childhood blood samples for potential immune biomarkers of autism	\$0	Q1.L.A	Centers for Disease Control and Prevention (CDC)
Validation of a Korean version of the QABF with children with ASD	\$10,320	Q1.S.B	Center for Autism and Related Disorders (CARD)
The functions of stereotypy in children with ASD	\$11,095	Q1.L.C	Center for Autism and Related Disorders (CARD)
Psychometric evaluation of the QABF in children with ASD	\$11,069	Q1.Other	Center for Autism and Related Disorders (CARD)
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$16,000	Q1.L.B	Carnegie Mellon University
Multiple social tasks and social adjustment	\$143,550	Q1.L.B	California State University, Northridge
Novel methods for testing language comprehension in children with ASD	\$127,500	Q1.S.B	Boston University
Neurobehavioral research on infants at risk for SLI and autism	\$671,693	Q1.L.A	Boston University
Neurophysiological investigation of language acquisition in infants at risk for ASD	\$28,000	Q1.L.A	Boston University
Neurobehavioral research on infants at risk for SLI and autism (supplement)	\$345,307	Q1.L.A	Boston University
RNA expression studies in autism spectrum disorders	\$500,000	Q1.L.A	Boston Children's Hospital

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Signatures of gene expression in autism spectrum disorders	\$0	Q1.L.A	Boston Children's Hospital
Electrophysiological, metabolic and behavioral markers of infants at risk	\$395,734	Q1.L.A	Boston Children's Hospital
Neural economics of biological substrates of valuation	\$379,913	Q1.L.C	Baylor College of Medicine
Baby Siblings Research Consortium	\$45,000	Q1.S.B	Autism Speaks (AS)

